

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/10461

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C07K14/47, C07K14/42, C12P21/02, C12Q1/02, G01N33/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C07K14/47, C07K14/42, C12P21/02, C12Q1/02, G01N33/48

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
BIOSIS (DIALOG), WPI (DIALOG), JSTPlus (JOIS)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02/66633 A1 (IRIMURA, T.), 29 August, 2002 (29.08.02), & WO 02/66634 A1	1-15
P, X	Keisuke MAENUMA et al., "Kaihen Shokubutsu Lectin Library no Sakusei to Tosa Informatice eno Riyo", The Japanese Society of Carbohydrate Research Nenkai Yoshishu, July, 2003, Vol.24, page 26	1-15
P, X	KOMATSU, K. et al., Random extension of outer loops of Maackia amurensis hemagglutinin generated libraries with diverse specificity and useful to identify cell surface glycosylation profiles., Glycobiology, October, 2002, Vol.12, No.10, page 676	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not  
 considered to be of particular relevance  
 "E" earlier document but published on or after the international filing  
 date  
 "L" document which may throw doubts on priority claim(s) or which is  
 cited to establish the publication date of another citation or other  
 special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other  
 means  
 "P" document published prior to the international filing date but later  
 than the priority date claimed

"T" later document published after the international filing date or  
 priority date and not in conflict with the application but cited to  
 understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be  
 considered novel or cannot be considered to involve an inventive  
 step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be  
 considered to involve an inventive step when the document is  
 combined with one or more other such documents, such  
 combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search  
14 November, 2003 (14.11.03)Date of mailing of the international search report  
02 December, 2003 (02.12.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X/Y	Yim M. et al., Mutated plant lectin library useful to identify different cells., Proc.Natl.Acad.Sci. USA, 2001, Vol.98, No.5, p.2222-5, especially, page 2224	1,3,5-8, 10-15/2,4,9, 16
X/Y	Yim M. et al., Generation of libraries of genetically engineered plant lectins with diverse carbohydrate specificities., Glycobiology, 2000, Vol.10, No.10, p.1094-5	1,3,5-8, 10-15/2,4,9, 16
Y	Imberty A. et al., An unusual carbohydrate binding site revealed by the structures of two Maackia amurensis lectins complexed with sialic acid-containing oligosaccharides., J.Biol.Chem., 2000, Vol.275, No.23, p.17541-8, especially, page 17541, right column, lines 24 to 38	2
Y	Schena FP et al., Increased serum levels of IgA1-IgG immune complexes and anti-F(ab') <sub>2</sub> antibodies in patients with primary IgA nephropathy., Clin. Exp.Immunol., 1989, Vol.77, No.1, pages 15 to 20	4,9
Y	EP 846766 A2 (SMITHKLINE BEECHAM CORP.), 10 June, 1998 (10.06.98), & JP 10-179176 A & US 5928895 A	4,9
Y	WO 95/15979 A1 (NEORX CORP.), 15 June, 1995 (15.06.95), & EP 733066 A1 & JP 9-506594 A & US 5976535 A & EP 1346730 A1	16